BRUHATH BANGALORE MAHANAGARA PALIKE,

Office of the Executive Engineer Dasarahalli Division,

SHEDULE B

NAME OF WORK : Construction of First Floor to Samudaya Bhavan at Abbigere for Yoga Kendra in Ward No.12, in Shettyhalli Sub Division.

Sl. No	Description of work	Unit	Qty	Rates to be Quoted	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Providing and constructing **pre cast concrete solid blocks** with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quoins, jamb,closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials,labour charges,scaffolding,curing etc., Complete as per specification and direction of Engineer-in-charge of the work.	cum	243.80	1011.96	Rs one thousand eleven and paise ninty six only
2	**Providing and laying in position reinforced cement concrete of design mix M20 with** OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for **all works in ground floor level for roof slabs, staircase, lintles, and beams** retaining walls, return walls, walls (any thickness) including attached plasters, **columns,** pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS Complete as per specification and direction of Engineer-in-charge of the work.	cum	3.76	6650.64	Rs six thousand six hundred fifty and paise fifty four only
3	**Providing and fabricating TMT . Steel (cold, Twisted) reinforcement for R.C.C.** work including straightening, cutting, bending, hooking,placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps and wasteage shall not measured and paid) cost of materials. labour. HOM of machinery Fe 500 Complete as per specification and direction of Engineer-in-charge of the work.	**Tonne**	0.38	65455.56	Rs sixty five thousand four hundred fifty five and paise fifty six only
4	**Providing and removing centering shuttering** strutting propping etc., and removal of form work for sides and soffits of **beams beam houchings** cantilever girders bressumers and lintels not exceeding 1m in depth including cost of all materials, labour Complete as per specification and direction of Engineer-in-charge of the work.	sqm	56.34	276.48	Rs two hundred seventy six and paise forty eight only

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	…ating, supplying & erecting M.S. angular Truss of span 10m. The bottom & top member is provided with 50x6mm double equal angles, welded back to back and in between top & bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing No.CBS/ SD/K-Mantap/9/MND/97. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipments, etc., Complete as per specification and direction of Engineer-in-charge of the work.	kgs	1829.91	126.36	Rs one hundred twenty six and paise thirty six only
6	**PROVIDING TRAPEZOIDAL PROFILED SHEET** Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. Complete as per specification and direction of Engineer-in-charge of the work.	**sqm**	259.50	831.60	Rs eight hundred thirty one and paise sixty only
7	**Supplying and fixing pressed steel door** frames size 125x65 mm manufactured from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and shutters made out of seasoned Honne wood, styles of 30 mm, thick with lock rail of 160 mm, width, top and side rails of 100 mm. width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be rot proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years. This shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting with enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc., complete. The Hollow portion of the frame to be filled with cement concrete 1:2:4 **Complete as per specification and direction of Engineer-in-charge of the work.**	cum	2.10	3780.00	Rs three thousand seven hundred eighty only
8	**Providing and fixing M.S. grill work for windows and ventilator** weighing 21kg/Sqm using M.S. flats, or M.S square rods or combination of M.S. flats and steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures labour and HOM of machinery Complete as per specification and direction of Engineer-in-charge of the work.	**kgs**	792.00	84.24	Rs eifhty four and paise twenty four only

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	ding 18mm thick cement plaster in single coat with ent mortar 1:3, to brick masonry including rounding off ners wherever required smooth rendering: providing and moving scaffolding, including cost of materials labour curing Complete as per specification and direction of Engineer-in-charge of the work.	**Sqm**	254.13	263.52	Rs two hundred sixty three and paise fifty two only
10	**Providing lime rendering for plastering** to wall and ceiling, including cost of materials, labour, curing Complete as per specification and direction of Engineer-in-charge of the work.	**Sqm**	254.13	27.00	Rs twenty seven only
11	**Providing 20mm thick cement plaster in single coat** with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specification and direction of Engineer-in-charge of the work.	**Sqm**	254.85	287.28	Rs two hundred eighty seven and paise twenty eight only
12	**Providing vitrified tiles 60 x 60cms of approved make,** shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification. **Complete as per specification and direction of Engineer-in-charge of the work.**	**Sqm**	243.78	1200.96	Rs one thousand two hundred and paise ninty six only
13	**Providing and applying painting two coats with plastic emulsion paint** of approved brand on wall surface to give an even approved shade after throughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications **with primer. Complete as per specification and direction of Engineer-in-charge of the work.**	**Sqm**	254.13	97.20	Rs ninty sven and paise twenty only
14	**Providing and finishing external walls in two coats with waterproof cement paint of** approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications Complete as per specification and direction of Engineer-in-charge of the work.	sqm	254.85	90.72	Rs ninty and paise seventy two only
	ELECTRIFICATION				
15	Groove Cutting : Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary **Complete as per specification and direction of Engineer-in-charge of the work.**				
a	19/20 mm dia 2mm thick	**mtr**	35.00	43.00	Rs forty three only
b	25 mm dia 2mm thick	**mtr**	25.00	53.00	Rs fifty three only
16	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work Complete as per specification and direction of Engineer-in-charge of the work.				
a	10"X7"X3" (300X228X76mm)	**Each**	2	68.00	Rs sixty eight only

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	X3" (300X228X76mm)	Each	2	52.00	Rs fifty two only
	Supplying and fixing PVC / metal conduit accessories special type Junction Box **Complete as per specification and direction of Engineer-in-charge of the work.**				
a	32 mm Junction Box	Each	6	29.00	Rs twenty nine only
b	Fan Box 18 /SWG	Each	3	57.00	Rs fify seven only
18	Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet **Materials Point Wiring using Class A Complete as per specification and direction of Engineer-in-charge of the work.**				
a	a) Short point upto 3Mtr from tapping point to out let via switch	Nos	5	175.00	Rs one hundred and seventy five only
b	b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch	Nos	5	260.00	Rs two hundred sixty only
19	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plateComplete as per specification and direction of Engineer-in-charge of the work.				
a	1-3 Way	**Each**	5	90.00	Rs ninty only
b	4-5Way	**each**	2	100.00	Rs hundred only
20	Supplying and fixing superior quality modula switch mounting polyorbonate plate with cecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box **Complete as per specification and direction of Engineer-in-charge of the work.**				
a	1 to 3 Modular	**each**	1	82.00	Rs eighty two only
b	4 Modular	**each**	1	100.00	Rs hundred only
21	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate **Complete as per specification and direction of Engineer-in-charge of the work.**				

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	ps 3way Socket.	each	5	165.00	Rs one hundred sisty five only
	Stepped Fan Regulator	each	2	530.00	Rs five hundred thirty only
22	Wiring for lighting power curcuit using one of PVC insluated 1100v grade multistrand copper conductor single core cable in open or concealed system of wiring 1.5 sq mm **Complete as per specification and direction of Engineer-in-charge of the work.**	mtr	50.00	150.00	Rs one hundred fifty only
23	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lampsComplete as per specification and direction of Engineer-in-charge of the work.	Each	1	60.00	Rs sixty only
24	Extra for supplying 4mm thick white plastic plate and convering for juncrtion boxese or size 80mm conduit using necessary machine screws 8 mm Complete as per specification and direction of Engineer-in-charge of the work.	each	3	6.48	Rs six and paise forty eight only
25	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulatoirs etc and fixing on existing wooden or metal box using NF screws **Complete as per specification and direction of Engineer-in-charge of the work.**	sqcm	2500.00	0.22	Rs zero and paise twenty two only
26	Supply patty type fluorescent tube light fitting of 4' - 36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking, locking type brass contact holder mounted on double fold type sheet base fully wired for used on 230 Volts A C Supply including fluouresecent tube Group 'A'Complete as per specification and direction of Engineer-in-charge of the work.	Each	4	675.00	Rs six hundred seventy five only
27	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS 374-1979 and with double ball bearing system KPWD SR 2007-08 (P-23, I-23) Regulator Model (Khaitan, Crompton Geaves, Orient, Polar, Bajaj, Usha, Havells, Almonard Regular ModelComplete as per specification and direction of Engineer-in-charge of the work.	Each	2	1800.00	Rs thousnd eight hundred only'
28	Supplying and fixing superior quality modula switch mounting polyorbonate plate with ncecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal Complete as per specification and direction of Engineer-in-charge of the work.				
a	1 to 3 Modular	Each	2	82.00	Rs eighty two only
b	8 Modular	Each	2	175.00	Rs one hundredseventy five only

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	...ving and fixing of modular switch / socket/Stepped ...rical fan regulator / dimmer / telephone socket etc on ...sting modular switch plate **Complete as per ...scification and direction of Engineer-in-charge of the ...work.**				
	6Amps one way.	**Each**	1	96.00	Rs ninty six only
b	6Amps 3way Socket.	**Each**	2	165.00	Rs one hundred sixty five only
30	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, Complete as per specification and direction of Engineer-in-charge of the work.	**Each**	1	3000.00	Rs three thousand only

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